

09/26/00  
JCS15 U.S. PTO

Practitioner's Docket No. 113-0070

09-26-00  
A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JCS15 U.S. PRO  
09/669382  
09/26/00  


Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of  
Inventor(s): **Kevin Lynaugh, Michael A. Grossman and Yong Huang Zeng**

For (title): **METHOD AND SYSTEM FOR ESTIMATING INPUT POWER IN A CABLE MODEM NETWORK**

1. Type of Application

This new application is for a(n)

- Original (nonprovisional)  
 Design  
 Plant  
 Divisional.  
 Continuation.  
 Continuation-in-part (C-I-P).

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CERTIFICATION UNDER 37 C.F.R. 1.10\*

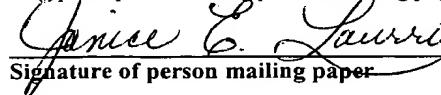
(Express Mail label number is mandatory.)

(Express Mail certification is optional.)

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on this date 09/26/2000, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EL 429 915 111 US, addressed to the: Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

Janice E. Laurro

(type or print name of person mailing paper)

  
Signature of person mailing paper

**2. Benefit of Prior U.S. Application(s) (35 U.S.C. 119(e), 120, or 121)**

- The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

**3. Papers Enclosed**

**A. Required for Filing Date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application**

10 Pages of Specification

06 Pages of Claims

05 Sheets of Drawing

- Formal  
 Informal

- The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. § 1.84(b).

**B. Other Papers Enclosed**

       Pages of declaration and power of attorney

01 Pages of Abstract

       Other

**4. Additional Papers Enclosed**

- Amendment to claims

Cancel in this applications claims \_\_\_\_\_ before calculating the filing fee.  
(At least one original independent claim must be retained for filing purposes.)

Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)

- Preliminary Amendment

Information Disclosure Statement (37 C.F.R. § 1.98)

Form PTO-1449 (PTO/SB/08A and 08B)

Citations

- Declaration of Biological Deposit

Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.

- Authorization of Attorney(s) to Accept and Follow Instructions from Representative

- Special Comments

- Other

**5. Declaration or [redacted] (including power of attorney)**

- Enclosed  
Executed by
- inventor(s).  
 legal representative of inventor(s). 37 C.F.R. § 1.42 or 1.43.  
 joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.
- This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F.R. § 1.47 is also attached. See item 13 below for fee.
- Not Enclosed.
- Application is made by a person authorized under 37 C.F.R. 1.41(c) on behalf of *all* the above named inventor(s).  
 Showing that the filing is authorized.  
*(not required unless called into question. 37 C.F.R. § 1.41(d))*

**6. Inventorship Statement**

The inventorship for all the claims in this application are:

- The same.  
**or**  
 Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,  
 is submitted.  
 will be submitted.

**7. Language**

- English  
 Non-English  
 The attached translation includes a statement that the translation is accurate.  
37 C.F.R. § 1.52(d).

**8. Assignment**

- An assignment of the invention to  
 is attached. A separate  "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or [ ] FORM PTO 1595 is also attached.  
 will follow.

9. Certified Copy

Certified copy(ies) of application(s)

country	appln. no.	filed
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country	appln. no.	filed
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country	appln. no.	filed
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from which priority is claimed

- is (are) attached.  
 will follow.

10. Fee Calculation (37 C.F.R. § 1.16)

A.  Regular application

CLAIMS AS FILED			
Number Filed	Number Extra	Rate	Basic Fee 37 CFR 1.16(a) \$ 690.00
Total Claims (37 CFR 1.16(c))	24 -20 = 04	X \$ 18.00	72.00
Independent Claims (37 CFR 1.16(b))	03 - 3 = 00	X \$ 78.00	
Multiple dependent claims, if any, (37 CFR 1.16(d))		X \$ 260.00	

- Amendment cancelling extra claims is enclosed.  
 Amendment deleting multiple-dependencies is enclosed.  
 Fee for extra claims is not being paid at this time.

Filing Fee Calculation      \$ 762.00

B.  Design application  
(\$310.00—37 C.F.R. § 1.16(f))

Filing Fee Calculation      \$ \_\_\_\_\_

C.  Plant application  
(\$480.00—37 C.F.R. § 1.16(g))

Filing Fee Calculation      \$ \_\_\_\_\_

**11. Small Entity Statement(s)**

Statement(s) that this is a filing by a small entity under 37 C.F.R. §§ 1.9 and 1.27 is (are) attached.

Status as a small entity was claimed in prior application \_\_\_\_\_, filed on \_\_\_\_\_ from which benefit is being claimed for this application under:

35 U.S.C. §  119(e),

120,

121,

365(c),

and which status as a small entity is still proper and desired.

A copy of the statement in the prior application is included.

Filing Fee Calculation (50% of A, B or C above) \$ \_\_\_\_\_

**12. Request for International-Type Search (37 C.F.R. § 1.104(d))**

Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

**13. Fee Payment Being Made at This Time**

Not Enclosed

No filing fee is to be paid at this time.

*(This and the surcharge required by 37 C.F.R. § 1.16(e) can be paid subsequently.)*

Enclosed

Filing fee \$ 762.00

Recording assignment (\$40.00; 37 C.F.R. § 1.21(h))  
(See attached "COVER SHEET FOR  
ASSIGNMENT ACCOMPANYING NEW  
APPLICATION.") \$ \_\_\_\_\_

Petition fee for filing by other than all the inventors  
or person on behalf of the inventor where inventor  
refused to sign or cannot be reached  
(\$130.00; 37 C.F.R. §§ 1.47 and 1.17(i)) \$ \_\_\_\_\_

For processing an application with a  
specification in a non-English language  
(\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k)) \$ \_\_\_\_\_

Processing and retention fee  
(\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(l)) \$ \_\_\_\_\_

Fee for international-type search report  
(\$40.00; 37 C.F.R. § 1.21(e)) \$ \_\_\_\_\_

Total Fees Enclosed \$ \_\_\_\_\_

**14. Method of Payment of Fees**

Check in the amount of \$ \_\_\_\_\_.

Charge Account No. 18-0013 in the amount of \$ 762.00.

A duplicate of this transmittal is attached.

**15. Authorization to Charge Additional Fees**

- The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 18-0013.
- 37 C.F.R. § 1.16(a), (f) or (g) (filing fees)
- 37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims)
- 37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)).
- 37 C.F.R. § 1.17 (application processing fees)
- 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))

**16. Instructions as to Overpayment**

- Credit Account No. 18-0013.
- Refund.

Date: 26 September 2000

Reg. No. 36,372

Tel. No.: (248) 594-0645

Customer No. 010291



**SIGNATURE OF PRACTITIONER**

Anna M. Shih, Esq.  
RADER, FISHMAN & GRAUER PLLC  
39533 Woodward Avenue,  
Suite 140  
Bloomfield Hills, Michigan 48304

**Incorporation by reference of added pages**

- Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed      Number of pages added 03
- Plus Added Pages for Papers Referred to in Item 4 Above      Number of pages added \_\_\_\_\_
- Plus added pages deleting names of inventor(s) named on prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.      Number of pages added \_\_\_\_\_
- Plus "Assignment Cover Letter Accompanying New Application"      Number of pages added \_\_\_\_\_

**Statement Where No Further Pages Added**

- This transmittal ends with this page.

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**ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF  
PRIOR U.S. APPLICATION(S) CLAIMED****17. Relate Back**

- Amend the specification by inserting, before the first line, the following sentence:

**A. 35 U.S.C. 119(e)**

- "This application claims the benefit of U.S. Provisional Application(s) No(s).:

**APPLICATION NO(S):**  
60/155,802

**FILING DATE**  
09/27/99

**B. 35 U.S.C. 120, 121 and 365(c)**

- "This application is a

- continuation  
 continuation-in-part  
 divisional

of copending application(s)

- application number \_\_\_\_\_ filed on \_\_\_\_\_ "
- International Application \_\_\_\_\_ filed on \_\_\_\_\_ and which designated the U.S."
- "The nonprovisional application designated above, namely application  
\_\_\_\_\_, filed \_\_\_\_, claims the benefit of U.S. Provisional Application(s) No(s).:

**APPLICATION NO(S):**

**FILING DATE**

- Where more than one reference is made above please combine all references into one sentence.

**18. Relate Back—35 U.S.C. 119 Priority Claim for Prior Application**

The prior U.S. application(s), including any prior International Application designating the U.S., identified above in item 17B, in turn itself claim(s) foreign priority(ies) as follows:

Country	Appln. no.	Filed
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The certified copy(ies)  (have)

- been filed on \_\_\_\_\_, in prior application \_\_\_\_\_, which was filed on \_\_\_\_\_.  
 is (are) attached.

#### 19. Maintenance of Copendency of Prior Application

- A.  Extension of time in prior application

*(This item must be completed and the papers filed in the prior application, if the period set in the prior application has run.)*

- A petition, fee and response extends the term in the pending **prior** application until \_\_\_\_\_.  
 A **copy** of the petition filed in prior application is attached.

- B.  Conditional Petition for Extension of Time in Prior Application

*(complete this item, if previous item not applicable)*

- A conditional petition for extension of time is being filed in the pending **prior** application.  
 A **copy** of the conditional petition filed in the prior application is attached.

#### 20. Further Inventorship Statement Where Benefit of Prior Application(s) Claimed

*(complete applicable item (a), (b) and/or (c) below)*

- (a)  This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above and the inventor(s) in this application are  
 the same.  
 less than those named in the prior application. It is requested that the following inventor(s) identified for the prior application be deleted:

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*(type name(s) of inventor(s) to be deleted)*

- (b)  This application discloses and claims additional disclosure by amendment and a new declaration or oath is being filed. With respect to the prior application, the inventor(s) in this application are  
 the same.  
 the following additional inventor(s) have been added:

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*(type name(s) of inventor(s) to be deleted)*

- (c)  The inventorship for all the claims in this application are  
 the same.  
 not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made  
 is submitted.  
 will be submitted.

**21. Abandonment of Prior Application (*if applicable*)**

- Please abandon the prior application at a time while the prior application is pending, or when the petition for extension of time or to revive in that application is granted, and when this application is granted a filing date, so as to make this application copending with said prior application.

**22. Petition for Suspension of Prosecution for the Time Necessary to File an Amendment**

- There is provided herewith a Petition To Suspend Prosecution for the Time Necessary to File An Amendment (New Application Filed Concurrently)

**23. Small Entity (37 CFR § 1.28(a))**

- Applicant has established small entity status by the filing of a statement in parent application \_\_\_\_\_ on \_\_\_\_\_.  
 A copy of the statement previously filed is included.

**24. NOTIFICATION IN PARENT APPLICATION OF THIS FILING**

- A notification of the filing of this  
(check one of the following)  
 continuation  
 continuation-in-part  
 divisional

is being filed in the parent application, from which this application claims priority under 35 U.S.C. § 120.

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